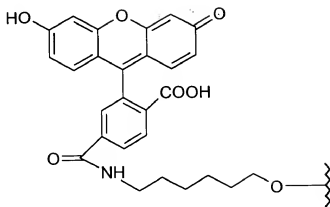
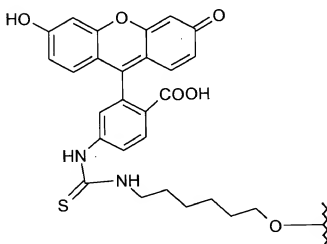


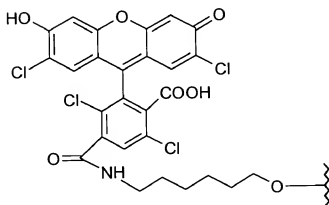
Fig. 1a:



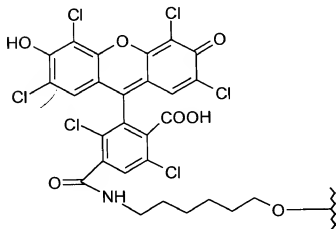
Fluorescein (Amide)



Fluorescein (Thiourea)



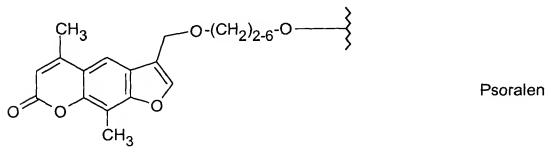
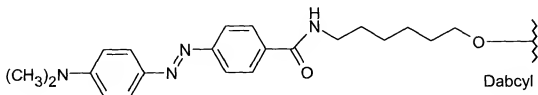
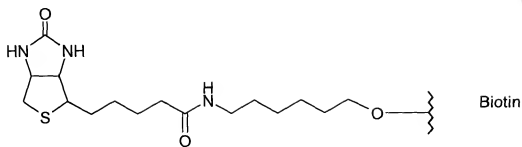
Tetrachlorofluorescein



Hexachlorofluorescein

0003371-04701

Fig. 1b:

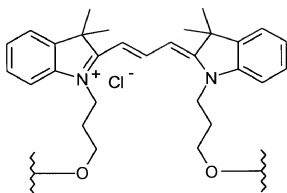


0086671-041701

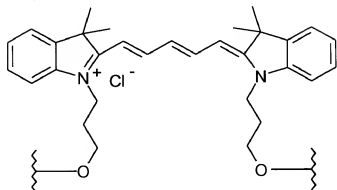




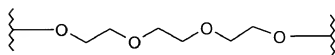
Fig. 3a:



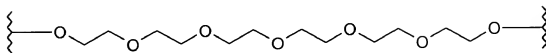
Cy3



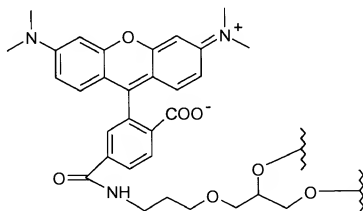
Cy5



Spacer-9



Spacer-18

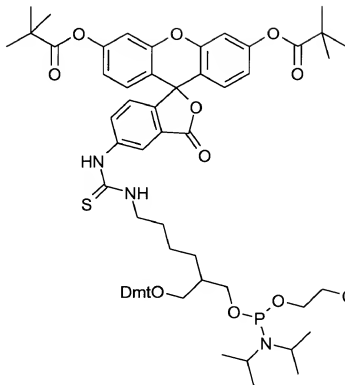


TAMRA

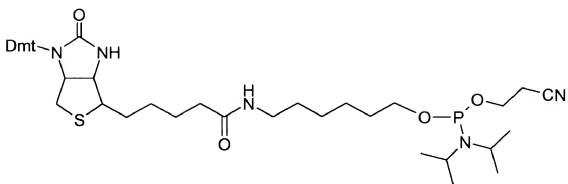




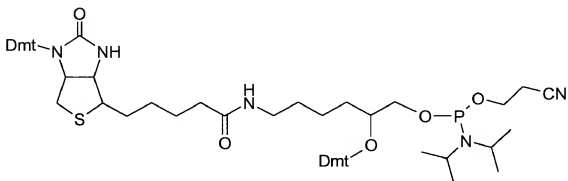
Fig. 4b:



Fluorescein phosphoramidite 4  
(bifunctional)



Biotin phosphoramidite 5 (monofunctional)

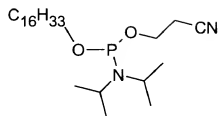


Biotin phosphoramidite 6 (bifunctional)

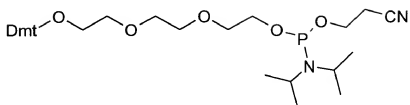
10249-123800



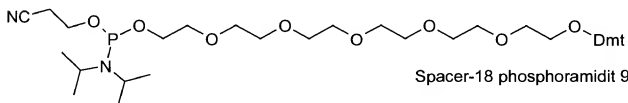
Fig. 4c:



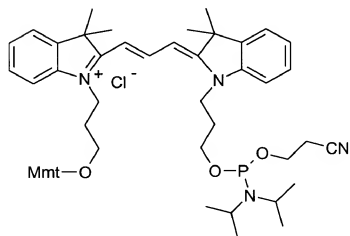
C16-phosphorylating reagent 7



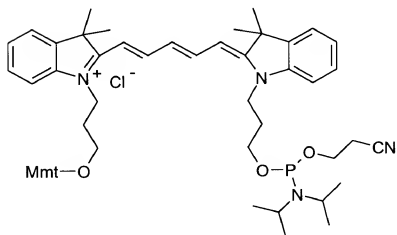
Spacer-9 phosphoramidite 8



Spacer-18 phosphoramidite 9



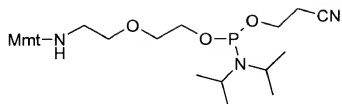
Cyanin-3 phosphoramidite 10



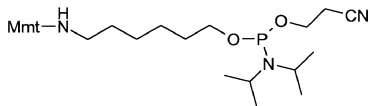
Cyanin-5 phosphoramidite 11

0035271 041701  
10/27/00 12:55:00

Fig. 4d:



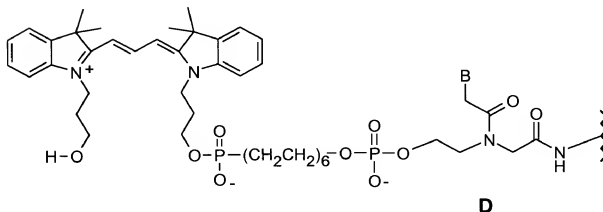
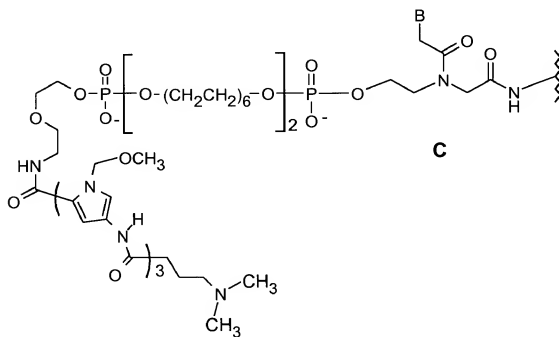
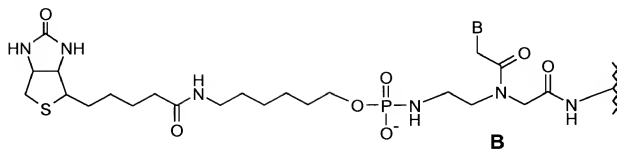
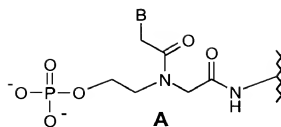
Aminomodifier-5  
phosphoramidit 12



Aminomodifier-C6  
phosphoramidit 13

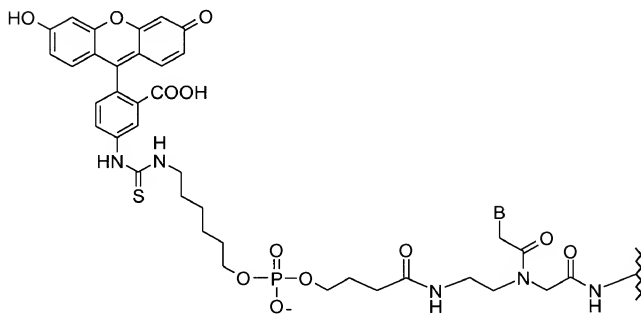
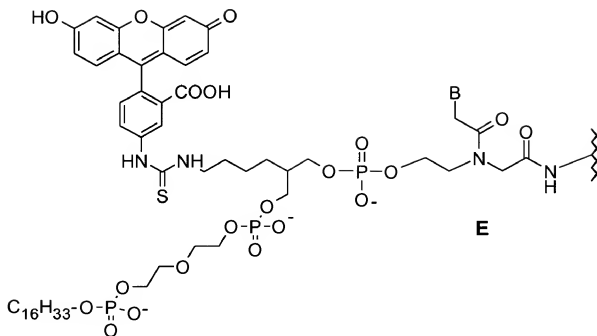
09835371-041701

Fig. 5a:



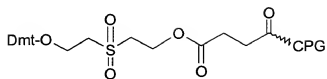
0085371.041701

Fig. 5b:

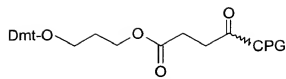


102410-1452800

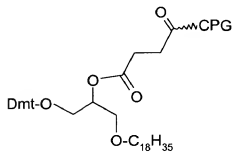
Fig. 6:



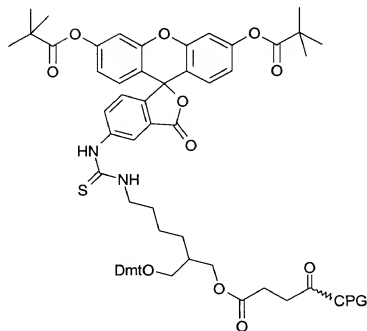
Bishydroxyethylsulfonylethyl support 1



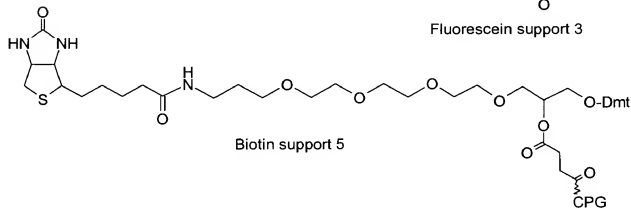
3'-Spacer-C3 support 2



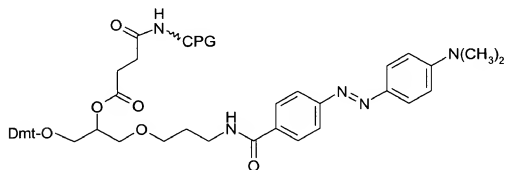
3'-Batyl support 4



Fluorescein support 3

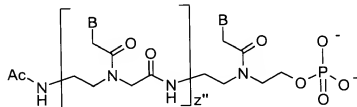
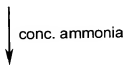
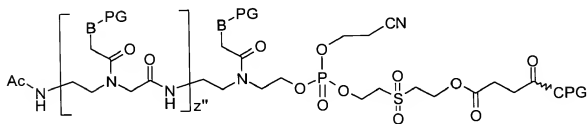
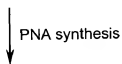
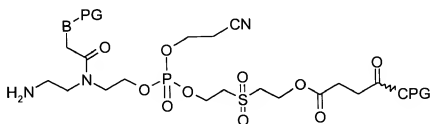
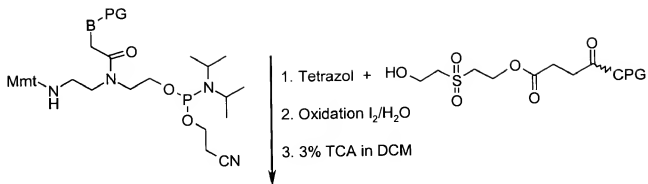


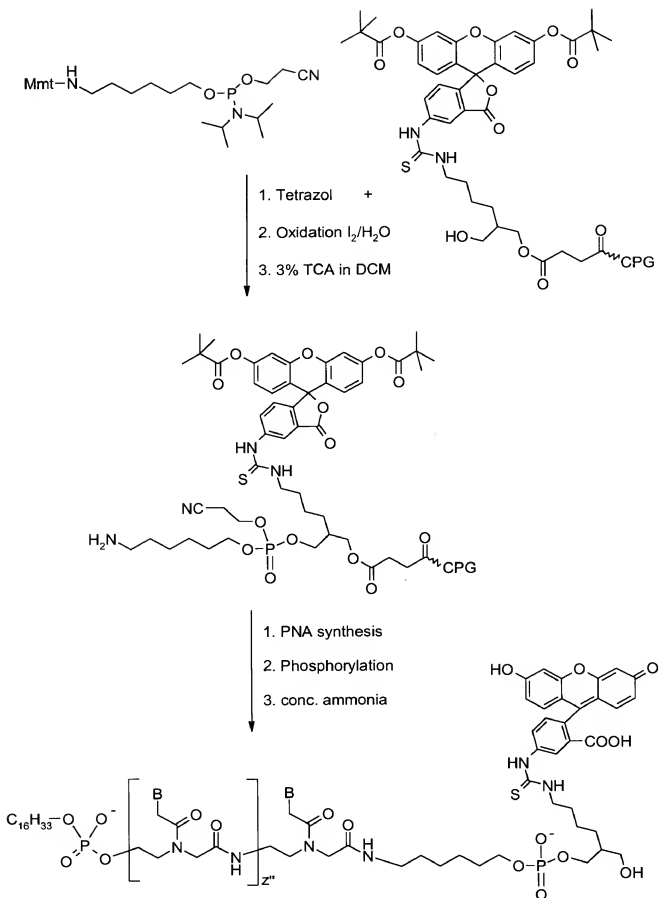
Biotin support 5

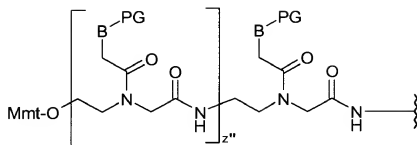


DABCYL support 6

003571-0430



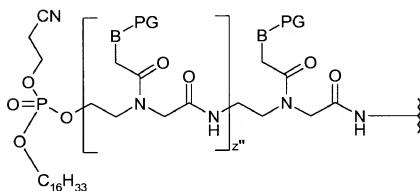
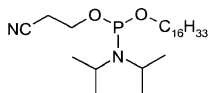




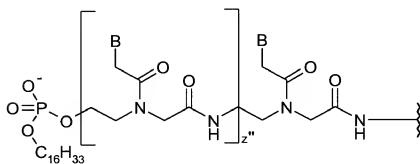
1. 3% TCA in DCM

2. Tetrazol +

3. Oxidation  $I_2/H_2O$



$NH_4OH$



09035371.041701